

## EAST Search History

| Ref # | Hits | Search Query   | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------|------------------|---------|------------------|
| L2    | 34   | (pump and AC and DC and sensor\$3 and convert\$4).clm. | US-PGPUB | OR               | ON      | 2007/01/25 11:16 |

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L2    | 34      | (pump and AC and DC and sensor\$3 and convert\$4).clm.             | US-PGPUB  | OR               | ON      | 2007/01/25 11:16 |
| S1    | 2       | ("5305779").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR               | OFF     | 2006/05/18 08:11 |
| S2    | 2       | ("6676382").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR               | OFF     | 2006/05/17 17:07 |
| S4    | 1382    | 417/423.14,572.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:14 |
| S7    | 1838    | 604/151,152,131.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:15 |
| S8    | 1574125 | pump or compressor   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:15 |
| S9    | 8       | S7 and (piezoelectric same (rotate or rotation or turn or rotary)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:16 |
| S10   | 39      | 417/410.2.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:17 |
| S11   | 124     | (blood adj1 pump) with shaft with impeller                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/05/18 08:17 |

## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S12 | 1567    | 417/423.1,423.14.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:18 |
| S13 | 7       | S12 and piezoelectric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:18 |
| S14 | 634749  | 6\$/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:19 |
| S15 | 3199    | S14 and ((pump or compressor) and (piezoelectric or piezo or bio-morph or biomorph)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:20 |
| S16 | 1322596 | 13and (impeller or fan or blade)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:21 |
| S17 | 602     | S15 and (impeller or fan or blade)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:21 |
| S18 | 0       | 417/410.1,412,48.ccls  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:21 |
| S19 | 2176    | 417/410.1,412,48.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/18 08:22 |
| S20 | 3       | (pump and driver and electrode and piezoelectric and electrode).clm.                 | US-PGPUB  | OR | ON | 2006/05/18 08:24 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S21 | 75  | (pump and electrode and piezoelectric and electrode).clm.                                      | US-PGPUB  | OR | ON  | 2006/05/18 08:25 |
| S22 | 4   | ((("6080133") or ("5370509"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/18 08:45 |
| S23 | 14  | ((("6080133") or ("5370509") or ("6592335") or ("3305825") or ("5761782") or ("5798600"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/18 08:45 |
| S24 | 2   | ("5305779").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/09/12 13:47 |
| S25 | 78  | pump and sump and (AC with DC with convert\$4)   | USPAT   | OR | ON  | 2007/01/25 11:08 |
| S26 | 77  | pump and sump and (AC with DC with convert\$4) and control                                     | USPAT   | OR | ON  | 2006/09/12 14:18 |
| S27 | 27  | pump and sump and (AC with DC with convert\$4) and control and transform\$4                    | USPAT   | OR | ON  | 2006/09/12 14:30 |
| S28 | 21  | pump and sump and ((telephone or dialer) with (alarm or notificat\$4)) and control             | USPAT   | OR | ON  | 2006/09/12 14:31 |
| S29 | 16  | pump and sump and ((AC with DC with convert\$4) same transform\$4)                             | USPAT   | OR | ON  | 2006/09/12 16:30 |
| S30 | 477 | pump and ((AC with DC with convert\$4) same transform\$4)                                      | USPAT   | OR | ON  | 2006/09/12 16:37 |
| S31 | 61  | pump same ((AC with DC with convert\$4) same transform\$4)                                     | USPAT   | OR | ON  | 2006/09/12 16:31 |
| S32 | 246 | pump and ((AC with DC with convert\$4) same transform\$4) and battery                          | USPAT   | OR | ON  | 2006/09/12 16:37 |
| S33 | 0   | pump and ((AC with DC with convert\$4) with tranform\$4) and battery                           | USPAT   | OR | ON  | 2006/09/12 16:37 |
| S34 | 0   | pump and ((AC with DC with convert\$4) with tranform\$4)                                       | USPAT   | OR | ON  | 2006/09/12 16:38 |
| S35 | 0   | pump and ((AC with DC with convert\$4) same tranform\$4)                                       | USPAT   | OR | ON  | 2006/09/12 16:38 |
| S36 | 286 | pump and ((AC with DC with convert\$4) with transform\$4)                                      | USPAT   | OR | ON  | 2006/09/12 16:38 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S37 | 130  | pump and ((AC with DC with convert\$4) with transform\$4) and battery | USPAT   | OR | ON  | 2006/09/12 16:38 |
| S38 | 2    | ("5592030").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR | OFF | 2006/09/13 10:59 |
| S39 | 3343 | pump and sump and (water with level)                                  | USPAT   | OR | ON  | 2007/01/25 11:09 |
| S40 | 5082 | pump and sump and ((water or liquid) with level)                      | USPAT   | OR | ON  | 2007/01/25 11:10 |
| S41 | 170  | pump and sump and ((water or liquid) with level) and DC and ac        | USPAT   | OR | ON  | 2007/01/25 11:10 |
| S42 | 749  | 417/423.14,572.ccls.  | USPAT   | OR | OFF | 2007/01/25 11:10 |
| S43 | 2228 | 417/48,410.1,412.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/25 11:11 |
| S44 | 781  | 604/151.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/25 11:13 |